

H SERIES

Vent · Free · Gas · Fireplaces

Installation, Operation and Owner's Manual

Models:

HVF-42-3S

HVF-60-3S

HVF-72-3S

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

-- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

-- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

This is an unvented gas-fired heater. It uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion and ventilating air must be provided. Refer to page 6.

This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases.

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.



OMNI-Test Laboratories, Inc.

Report #284-F-07-5

October 2014

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IMPORTANT SAFETY INFORMATION

Read these instructions carefully before installing or trying to operate this Vent Free gas heater.

PRODUCT INSTALLATION RECORD

Installer: Please complete this form.

Customer: Please retain this information.

Purchased From	
Date of Purchase	
Installed By	
Date of Installation	
Fireplace Serial Number	
Fuel Type	NATURAL GAS

WARNING

- **Any change to this heater or its controls can be dangerous.**
- **Improper installation or use of the heater can cause serious injury or death from fire, burns, explosion or carbon monoxide poisoning.**
- **Do not allow fans to blow directly into the fireplace. Avoid any drafts that alter burner flame patterns.**
- **Do not use a blower insert, heat exchanger insert or other accessory, not approved for use with this heater.**

1. Due to high temperatures, the heater should be located out of traffic and away from furniture and draperies.
2. Children and adults should be alerted to the hazard of high surface temperature and should stay away to avoid burns or clothing ignition.
3. Young children should be carefully supervised when they are in the same room with the heater.
4. Do not place clothing or other flammable material on or near the heater.

IMPORTANT SAFETY INFORMATION

Read these instructions carefully before installing or trying to operate this Vent Free gas heater.

5. Any safety screen or guard removed for servicing an appliance, must be replaced prior to operating the heater.
6. Installation and repair should be done by a qualified service person. The heater should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to extensive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the heater be kept clean.
7. To prevent malfunction and/or sooting, an unvented gas heater should be cleaned before use and at least annually by a professional service person.
8. **CARBON MONOXIDE POISONING:** Early signs of carbon monoxide poisoning are similar to the flu with headaches, dizziness and/or nausea. If you have these signs, obtain fresh air immediately. Have the heater serviced as it may not be operating properly.
9. The installation must conform with local codes or, in the absence of local codes, with the **National Fuel Gas Code, ANSI Z223.1/NFPA54**.
10. This unit was tested and listed to ANSI Z21.11.2-2011 by OMNI-Test Laboratories.
11. This appliance is approved for installation in the Commonwealth of Massachusetts. The Board of State Examiners of Plumbers and Gas Fitters has issued approval number G1-0513-436 for this appliance.
12. Do not install this heater in a bathroom or bedroom.
13. Correct installation of the fire media, proper location of the heater, and annual cleaning are necessary to avoid potential problems with sooting. Sooting, resulting from improper installation or operation, can settle on surfaces outside the fireplace. See media placement instructions for proper installation.
14. **WARNING:** Avoid any drafts that alter burner flame patterns. Do not allow fans to blow directly into fireplace. Do not place a blower inside burn area of firebox. Ceiling fans may create drafts that alter burner flame patterns. Sooting and improper burning will occur.
15. **Caution:** Candles, incense, oil lamps, etc. produce combustion by-products including soot. Vent Free heaters will not filter or clean soot produced by these types of products. In addition, the smoke and/or aromatics (scents) may be reburned in the vent free heater which can produce odors. It is recommended to minimize the use of candles, incense, etc. while the vent free heater is in operation.

IMPORTANT SAFETY INFORMATION

Read these instructions carefully before installing or trying to operate this Vent Free gas heater.

16. Keep room area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
17. This appliance is intended for supplemental heating.
18. Unvented gas heaters emit moisture into the living area. In most homes of average construction, this does not pose a problem. In houses of extremely tight construction, additional mechanical ventilation is recommended.
19. During manufacturing, fabricating and shipping, various components of this heater are treated with certain oils, films or bonding agents. These chemicals are not harmful but may produce annoying smoke and smells as they are burned off during the initial operation of the heater; possibly causing headaches or eye or lung irritation. This is a normal and temporary occurrence. The initial break-in operation should last two to three hours with the burner at the highest setting. Provide maximum ventilation by opening windows or doors to allow odors to dissipate. Any odors remaining after this initial break-in period will be slight and will disappear with continued use.
20. Input ratings are shown in BTU per hour and are for elevations up to 2,000 feet. If your installation is at an elevation greater than these, consult with the local authority having jurisdiction for gas product installations to determine their specific requirements for high altitude installations.
21. The heater must be isolated from the gas supply piping system by closing its equipment shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than ½ psi (3.5 kPa).
22. Do not use this room heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.
23. Never burn solid fuels in a fireplace where an unvented heater is installed.
24. **WARNING:** Any change to this heater or its controls can be dangerous.
25. When this heater is installed directly on carpeting, tile or other combustible material, other than wood flooring, the heater shall be installed on a metal or wood panel extending the full width and depth of the heater.

ROOM VOLUME for VENT FREE

CODES

Adhere to all local codes or, in their absence, the latest edition of THE NATIONAL FUEL GAS CODE ANSI Z223.1 or NFPA54 which can be obtained from...

American National Standards Institute, Inc.
1430 Broadway
New York, NY 10018
or
National Fire Protection Association, Inc.
Batterymarch Park
Quincy, MA 02269

ADEQUATE COMBUSTION AND VENTILATION AIR

This heater shall not be installed in a confined space or unusually tight construction unless provisions are provided for adequate combustion and ventilation air.

The National Fuel Gas Code, (ANSI Z223.1/NFPA 54), defines a *confined* space as a space whose volume is less than 50 cubic feet per 1,000 BTU per hour (4.8 m³ per kw) of the aggregate input rating of all appliances installed in that space. An *unconfined* space is defined as a space whose volume is not less than 50 cubic feet per 1,000 BTU per hour (4.8 m³ per kw) of the aggregate input rating of all appliances installed in that space. Rooms communicating directly with the space in which the appliances are installed, through openings not furnished with doors, are considered a part of the unconfined space.

UNUSUALLY TIGHT CONSTRUCTION IS DEFINED AS CONSTRUCTION WHERE...

- a) walls and ceilings exposed to the outside atmosphere have a continuous water vapor retarder with a rating of 1 perm (6 x 10⁻¹¹ kg per pa-sec-m²) or less with openings gasketed or sealed;
- b) weather stripping has been added on operable windows and doors, and
- c) caulking or sealants are applied to areas such as joints around window and door frames, between sole plates and floors, between wall-ceiling joints, between wall panels, at penetrations for plumbing, electrical, and gas lines, and at other openings.

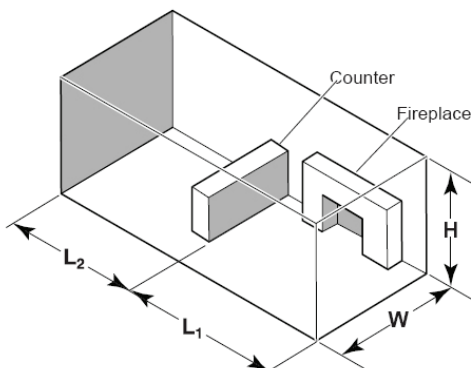
WARNING

This appliance is equipped for natural gas. Field conversion is not permitted.

WARNING

This heater shall not be installed in a room or space unless the required volume of indoor combustion air is provided by the method described in the National Fuel Gas Code, ANSI Z223.1/NFPA 54, the International Fuel Gas Code, or applicable local codes.

ROOM VOLUME for VENT FREE



The following formula can be used to determine the maximum heater rating (per the definition of unconfined space) that is allowed in your space:

$$\text{Maximum BTU/Hr.} = \frac{(L1 + L2)\text{ft.} \times (W)\text{ft.} \times (H)\text{ft.}}{50} \times 1000$$

Example A: Consider two connecting rooms with an open area between, with the following dimensions: $L1 = 15\frac{1}{2}$ ft., $L2 = 12$ ft., $W = 12$ ft., $H = 8$ ft.

$$\frac{(15\frac{1}{2} + 12)\text{ft.} \times (12)\text{ft.} \times (8)\text{ft.}}{50} \times 1000 = 52,800 \text{ BTU/Hr.}$$

Example B: If there were a door between the two rooms the calculation would be based only on the room with the heater.

$$\frac{(15\frac{1}{2})\text{ft.} \times (12)\text{ft.} \times (8)\text{ft.}}{50} \times 1000 = 29,760 \text{ BTU/Hr.}$$

Will my space support a H Series Vent Free Gas Fireplace?

Maximum BTU/hr. my space will support (use formula above) a) _____

BTU/hr. of European Home **H Series** Vent Free Gas Fireplace b) 37,500

If the answer to a) is **greater** than b) then your space **will** support the installation of the **H Series** Vent Free Gas Fireplace; if a) is **less** than b) then your space **will not** support an **H Series** Vent Free fireplace.

Note

Bringing in Outside (or "Make-up") Air

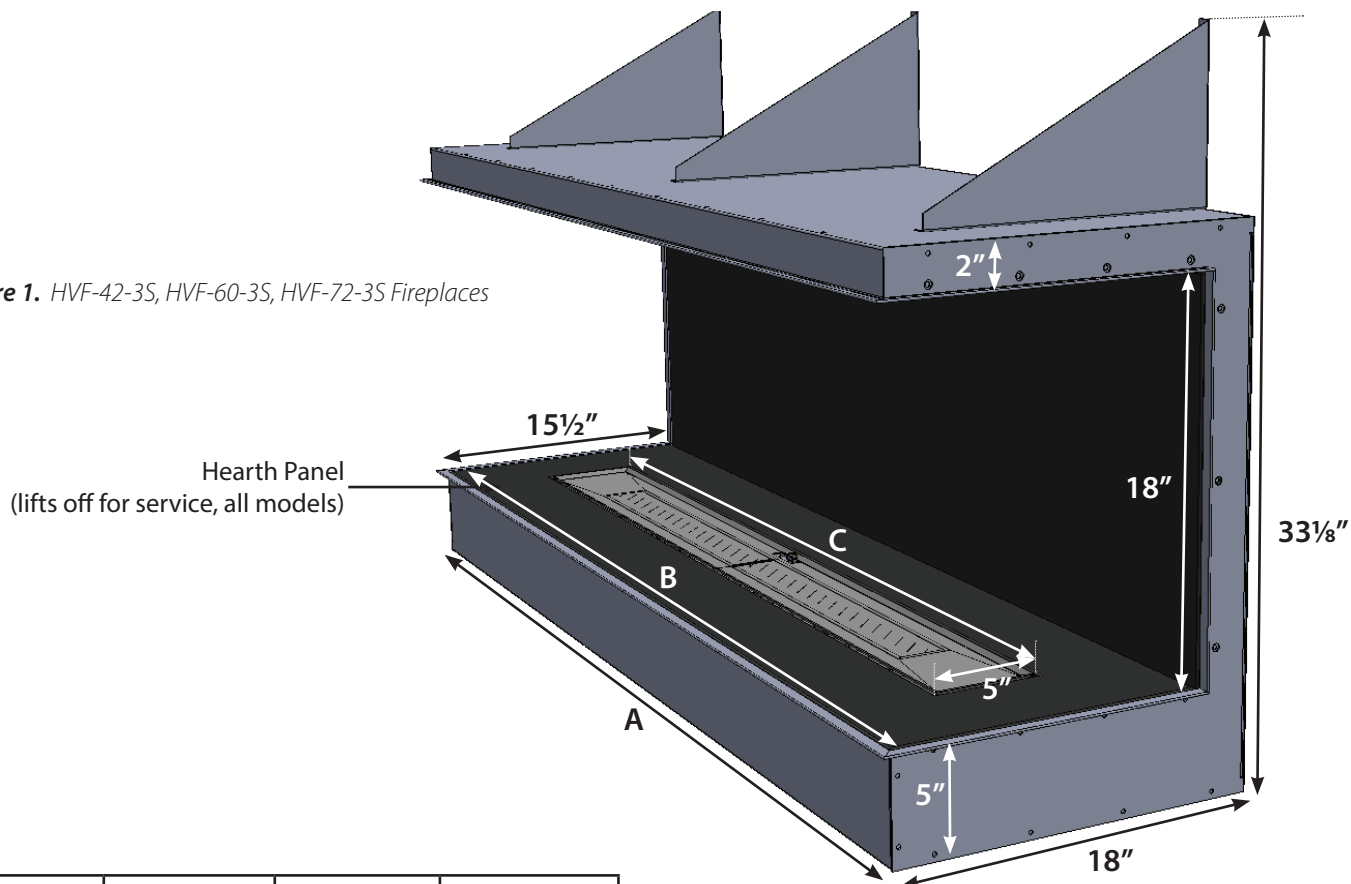
Many building code jurisdictions require that outside or "make-up" air be provided when installing a fireplace of this type. This requirement can be satisfied by the proper installation of an 'outside air kit' which is not provided. The final determination of the suitability of any particular kit must be made by the installer.

If an outside air supply is desired it should be added to the room in which the **H Series** Vent Free Gas Fireplace is installed, *not to the chase* enclosing the fireplace.

If outside air is introduced into the chase, competing air pressures could compromise the operation of the fireplace.

SPECIFICATIONS and DIMENSIONS

Figure 1. HVF-42-3S, HVF-60-3S, HVF-72-3S Fireplaces



Dimension	HVF-42-3S	HVF-60-3S	HVF-72-3S
A	47"	60"	72"
B	46 3/4"	59 7/8"	71 7/8"
C	38"	49"	59"

Table 1. Dimensions by Model

H Series Burner	
Fuel	Natural Gas ONLY
Manifold Pressure	3.5" (0.87 kPa)
Minimum Supply Pressure	4.0" (1.0 kPa)
Maximum Supply Pressure	7.0" (1.7 kPa)
Orifice Size	#47 DMS
Input (High, BTU/hr.)	37,500
Input (Low, BTU/hr.)	25,000
Electrical	120V AC 60Hz 2.5A max

Table 2. Burner Specifications

SPECIFICATIONS and DIMENSIONS

CERTIFICATION

OMNI-Test Laboratories, Inc. has certified that the H Series Gas Fireplaces meet the ANSI Z21.11.2-2011 standard.

These appliances are approved for installation in the Commonwealth of Massachusetts. The Board of State Examiners of Plumbers and Gas Fitters has issued approval number G1-0513-436 for these appliances.


H Series VENT FREE GAS FIREPLACE			
Model:	HVF-42-3S <input type="checkbox"/>	HVF-60-3S <input type="checkbox"/>	HVF-72-3S <input type="checkbox"/>
Serial Number: HVFS- _____			
Max. Input BTU/hr.:	37,500	Orifice Size:	#47 DMS
Min. Input BTU/hr.:	25,000	Gas Control:	SIT Proflame
Max. Supply Pressure:	7 inches w.c.	Electrical Rating:	120v AC, 60 Hz
Min. Supply Pressure:	4 inches w.c.		2.5 A
Max. Manifold Pressure:	3.5 inch w.c.		
This appliance is equipped for Natural Gas only.			
MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS Left and Right side are determined when facing the front of the appliance.			
Top Standoffs:	0.0"	Wall face above opening:	4.0"
Rear:	0.0"	Opening to side wall in front of appliance:	6.0"
Side Standoffs:	0.0"	Mantel to appliance opening:	11.0"
Maximum horizontal mantel extension:		12.0"	
<p>This product has been certified by OMNI-Test Laboratories to ANSI Z21.11.2b-2011 Unvented Heaters. This appliance must be installed in accordance with local codes, if any; if none, follow the ANSI Z223.1. Installation and service must be performed by a qualified installer, service agency or the gas supplier.</p> <p>This appliance shall not be field converted.</p> <p>WARNING: Do not use a blower insert, heat exchanger insert or other accessory not approved for use with this heater.</p> <p>WARNING: Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Refer to the owner's information manual provided with this appliance. Installation and service must be performed by a qualified installer, service agency or the gas supplier.</p> <p>This heater shall not be installed in a bedroom or bathroom.</p> <p>This appliance is intended for supplemental heating.</p> <p>Failure to use only parts specifically approved with this heater may result in property damage or personal injury. See instruction manual for further information.</p> <p>Apply loose material per instruction manual. DO NOT apply extra material or material not supplied with the heater. Replace only with European Home Fire Media approved for H Series VENT FREE Fireplaces.</p> <p>WARNING: All previously applied loose material must be removed prior to reapplication.</p>			
CAUTION: Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.			
WARNING: When used without adequate combustion and ventilation air, heater may give off excessive CARBON MONOXIDE, an odorless, poisonous gas.			
DO NOT INSTALL HEATER UNTIL ALL NECESSARY PROVISIONS ARE MADE FOR COMBUSTION AND VENTILATION AIR. CONSULT THE WRITTEN INSTRUCTIONS PROVIDED WITH THE HEATER FOR INFORMATION CONCERNING COMBUSTION AND VENTILATION AIR. IN THE ABSENCE OF INSTRUCTIONS, REFER TO THE NATIONAL FUEL GAS CODE, ANSI Z223.1/NFPA 54, AIR FOR COMBUSTION AND VENTILATION, OR APPLICABLE LOCAL CODES.			
This heater is equipped with a PILOT LIGHT SAFETY SYSTEM designed to turn off the heater if not enough fresh air is available.			
DO NOT TAMPER WITH THE PILOT LIGHT SAFETY SYSTEM!			
If heater shuts off, do not relight until you provide fresh air. If heater keeps shutting off, have it serviced. Keep burner and control compartment clean.			
CARBON MONOXIDE POISONING MAY LEAD TO DEATH.			
Early signs of carbon monoxide poisoning resemble the flu, with headache, dizziness and/or nausea. If you have these signs, heater may not be working properly. Get fresh air at once! Have heater serviced.			
Some people – pregnant women, persons with heart or lung disease, anemia, those under the influence of alcohol, those at high altitudes – are more affected by carbon monoxide than others.			
Removal of this marking will void compliance of this heater with ANSI Z21.11.2.			
 Tested & Listed OMNI-Test Laboratories, Inc. Report Number: 284-F-07-5		manufactured by: EUROPEAN HOME 376 Washington Street Malden, MA 02148 tel: (781) 324-8383 www.europeanhome.com	
		HVFS3SL140724	

Figure 2. Sample Rating Label (affixed beneath the Hearth Panel)

PRE-INSTALLATION PLANNING



WHEN ENCLOSING YOUR FIREPLACE THE USE OF NON-COMBUSTIBLE BUILDING MATERIALS IS REQUIRED. PLEASE READ AND UNDERSTAND THE FOLLOWING.



COMBUSTIBLE MATERIALS

Materials that can catch fire and burn are considered combustible. Any material that is made of, or faced with, wood, wood pulp, paper, plastic or any other material that can catch fire and burn is considered combustible. Even though these materials may have been 'flame-proofed', made 'fire-resistant' or are 'fire-rated' they are considered combustible. Standard and Type X drywall are both combustible.

NON-COMBUSTIBLE MATERIALS

A given material is said to be non-combustible when it cannot catch fire and burn. For example, materials made entirely, or in combinations, of, stone, brick, concrete, tile, steel, plaster or glass are considered non-combustible.

See the chart below for a list of materials which, as of this writing, are reported by their manufacturers to be **BOTH** non-combustible (in accordance with the ASTM E136 standard) **AND** approved for use around fireplaces.

<i>Product*</i>	<i>Non-combustible</i>	<i>Manufacturer Approved</i>
James Hardie Building Products HardieBacker® ¼" Cement Board	YES	YES
James Hardie Building Products HardieBacker® 500 Cement Board	YES	YES
Promat PROMATECT®-L Insulating Boards	YES	YES
Skamol Skamotec® 225	YES	YES
U.S. Architectural Products Versaroc® Cement Bonded Particle Board	YES	YES
U.S. Architectural Products Cem-Clad® Cement Panel	YES	YES
National Gypsum PermaBase® Cement Board	NO	NO
USG DUROCK® Cement Board Next Gen	YES	NO
CertainTeed Fiber Cement BackerBoard	NO	NO
Custom Building Products WonderBoard® Backerboard	NO	NO
Georgia-Pacific Gypsum DensGlass® Sheathing	YES	NO
Ameriform ARMOROC® Cement Bonded Particle Board	YES	NO

HIGH ALTITUDE INSTALLATIONS

These appliances are tested and approved without requiring changes when installed at elevations from 0 to 2,000 feet.

When installing these fireplaces at altitudes above 2,000 feet reduce the input rate by 4% for each 1,000 above 2,000 feet. Consult with your local gas supplier to determine the proper orifice size.

ELECTRICAL CODE

The **H Series** Gas Fireplace, when installed, must be electrically grounded in accordance with local codes, or, in the absence of local codes, with the *National Electrical Code ANSI/NFPA 70*.

PRE-INSTALLATION PLANNING

BEFORE YOU BEGIN

Thank you for purchasing an **H Series Gas Fireplace** by **European Home**. This fireplace has been designed to provide you with safe, trouble-free operation.

Please read this manual thoroughly before beginning the installation of your fireplace. It has information which is important for safe installation and operation.

Please inspect your shipment for completeness and any damage. Contact your retailer if any damage is found. Do not install your fireplace with any damaged or substituted parts.

The installation of your new fireplace will follow the steps below and this manual is laid out accordingly.

- **Pre-Installation Planning** - Fireplace location, gas and electric supply runs and clearances
- **Rough Installation** - Build the rough frame and install the fireplace
- **Electric Installation** - By a qualified, licensed electrician
- **Gas Installation** - By a qualified, licensed gasfitter or plumber
- **Trim and Finish** - Finishing around the fireplace
- **Final Installation** - Wall, mantel and non-combustible facing

Before you begin your installation you should have the following tools and supplies:

- Saw
- Hammer
- Pliers
- Pipe wrench
- Phillips and straight-blade screwdrivers
- Plumb line and level
- Tape measure and framing square
- Electric drill and assortment of drill bits
- Safety glasses and gloves
- Framing material
- Non-combustible finish material
- Approved pipe joint sealant
- Manometer
- #6 or #8 self-tapping screws, ½" - ¾" long
- Leak detection fluid (non-corrosive) or electronic gas detector
- Appropriate electrical supply wiring parts
- Appropriate gas supply line parts

PRE-INSTALLATION PLANNING

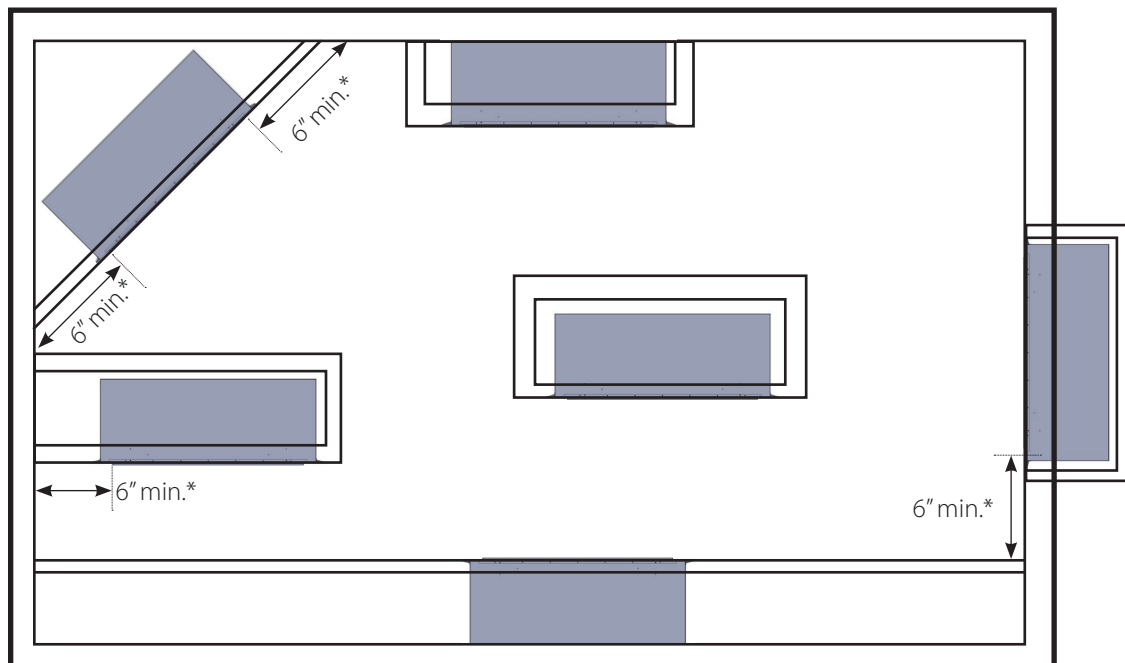


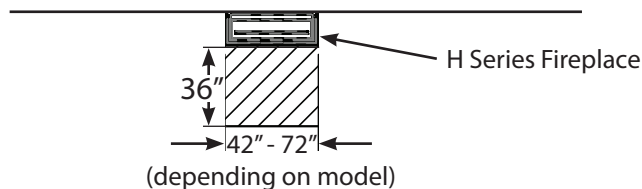
Figure 3. Possible Fireplace Locations.

LOCATING THE FIREPLACE

Several issues must be addressed when selecting a suitable location for the **H Series** Vent Free Gas Fireplace. Observing the required clearances to combustibles, the accessibility of the gas supply as well as the room into which it will be installed must all be considered.

This appliance is a HEATING appliance and it becomes hot in operation. **DO NOT** PLACE any object, furniture, draperies or other item **LESS THAN 36 inches** from the front of the fireplace.

The clearance dimensions shown throughout this manual **MUST** be maintained for safety as well as servicing and maintenance.



Do not put furniture or other objects in this space in front of the fireplace.

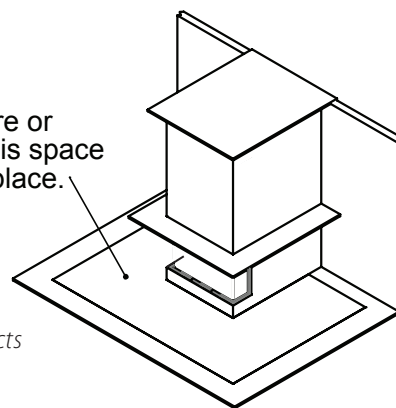
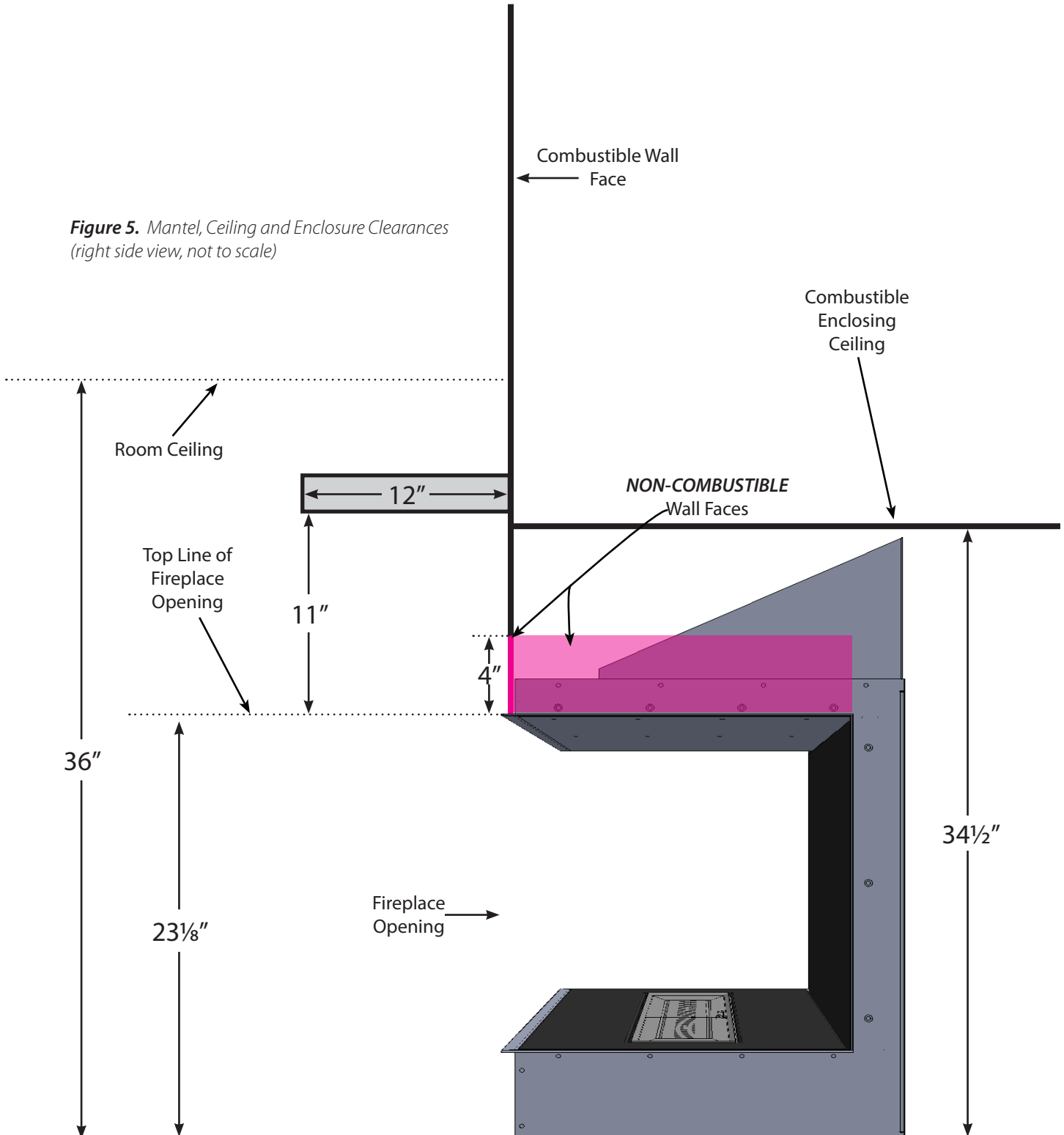


Figure 4. Clearances to Objects

PRE-INSTALLATION PLANNING

MINIMUM MANTEL and ENCLOSING CLEARANCES

Figure 5. Mantel, Ceiling and Enclosure Clearances
(right side view, not to scale)



PRE-INSTALLATION PLANNING



*When enclosing your fireplace, the use of non-combustible building materials is required. Please read and understand the **COMBUSTIBLE MATERIALS** and **NON-COMBUSTIBLE MATERIALS** sections on page 10.*



MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

When installing the **H Series** Fireplaces, the clearances shown in the table below must be observed. If the required clearances are not maintained a fire may result thereby causing property damage, personal injury or loss of life.

When the fireplace is to be installed directly on carpeting, vinyl tile or combustible material other than wood flooring, it must be installed on a metal or wood panel extending the full width and depth of the fireplace cabinet.

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS	HVF-42-3S HVF-60-3S HVF-72-3S
Clearance to Top Cabinet Standoffs	0.0"
Clearance to Side Cabinet Standoffs	0.0"
Clearance to Cabinet Rear	0.0"
Clearance to Wood Floor	0.0"
Distance Between Cabinet Bottom and Enclosure Ceiling	34½"
Distance Between the Opening and a Side Wall in Front of the Fireplace	6.0"

Table 3. Minimum Clearances to Combustible Materials

ROUGH INSTALLATION

ROUGH OPENING

Dimension	HVF-42-3S	HVF-60-3S	HVF-72-3S
A (Width)	49"	62"	74"
B (Height)	34½"	34½"	34½"
C (Depth)	18½"	18½"	18½"

Table 4. Rough Opening Dimensions by Model

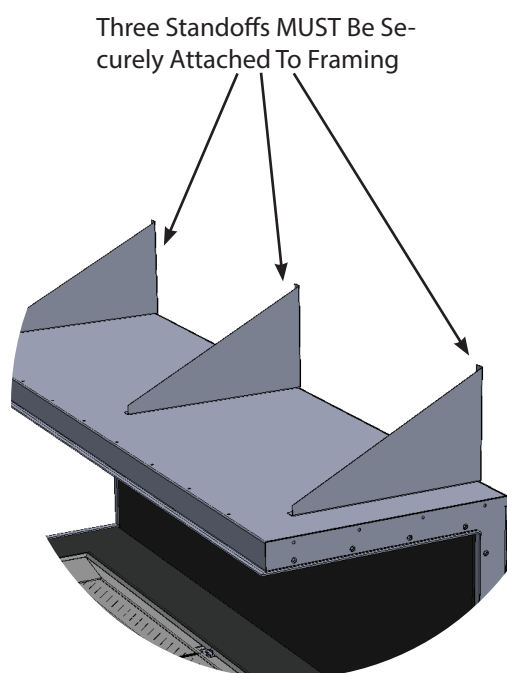


Figure 7. HVF-42-3S, HVF-60-3S, HVF-72-3S Standoffs

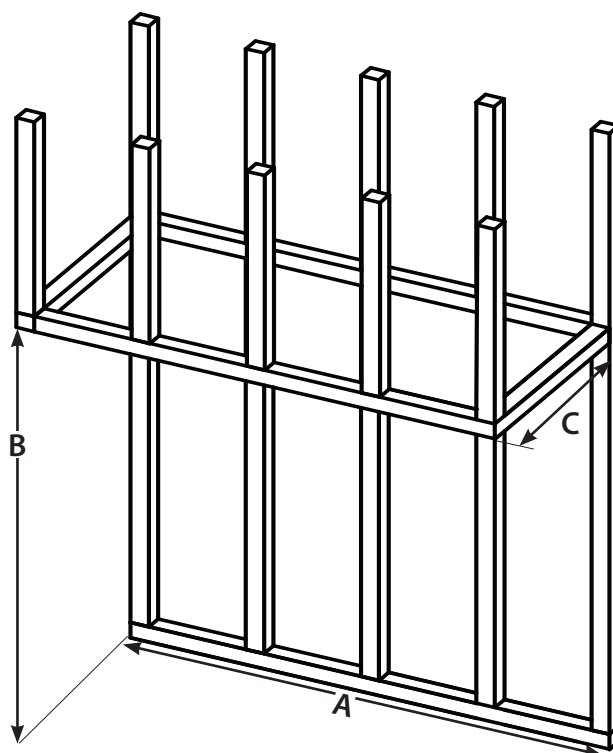


Figure 6. Rough Opening for HVF-42-3S, HVF-60-3S, HVF-72-3S

INSTALLING THE FIREPLACE

The **H Series** fireplaces must be placed on a sturdy and level surface. It can be placed on the floor or a raised platform made *ONLY* of wood or non-combustible materials - do not place the fireplace on carpet or vinyl tile.

1. Set the fireplace into position. Framing material can touch the standoffs at the sides and rear of the cabinet but do not place anything between the framing and the standoffs.
2. Make sure the fireplace is both level and square.
3. Secure each of the three top standoffs (angle braces) into the wall framing. Use the fasteners required by your local building code.
4. Complete the framing above the fireplace.

ELECTRIC INSTALLATION



Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

This appliance must be electrically grounded in accordance with local codes, or, in the absence of local codes, with either the National Electrical Code ANSI/NFPA 70.

Electrical work should only be performed by a qualified, licensed electrician. Electric power must be off when making connections or performing any service.

All wiring shall be in compliance with all local, city, and state codes.

Verify proper operation after servicing.

ELECTRICAL ASSEMBLY

The **H Series** fireplaces require the internal receptacle (supplied) to be wired to a 120V AC branch circuit according to all applicable codes. The neutral, line and ground wires to the receptacle are available at the lower left corner of the fireplace cabinet. This circuit must be wired such that the AC power to the **H Series** fireplace may be turned off by an accessible single-pole switch. This circuit need not be dedicated to the **H Series** fireplace unless required by local codes.

After the internal receptacle is connected and tested, the AC plug from the burner may be plugged in to it.

BATTERY BACKUP

The H Series fireplaces have a battery backup feature which, after 4 AA batteries are installed, powers the system in the case of a commercial power loss. The battery case is in the left rear corner of the fireplace and can be accessed by lifting off the hearth panel. Remove the battery case cover and insert four AA batteries as shown in Figure 8.

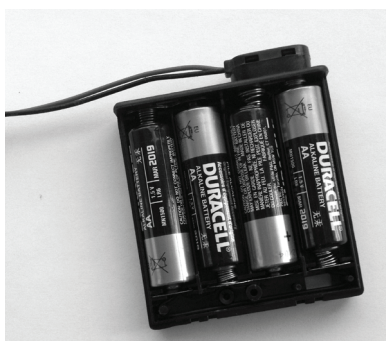


Figure 8. Battery Case with Batteries
(shown with cover removed)

ELECTRIC INSTALLATION

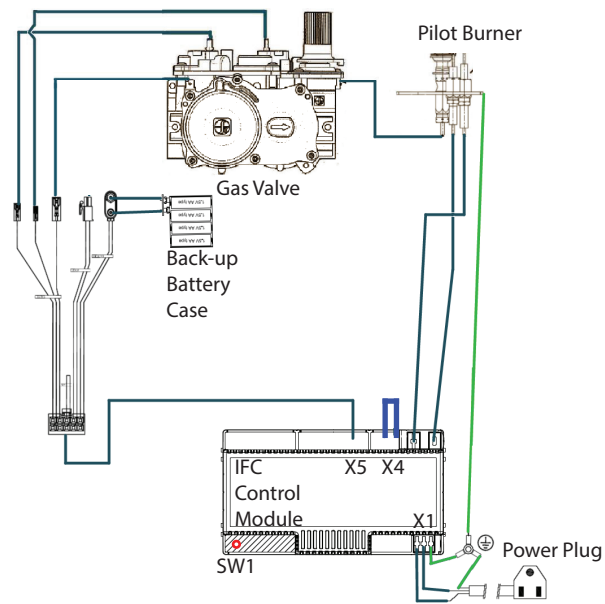


Figure 9. *Electrical Connection Diagram*

GAS INSTALLATION

Note

The installation of this fireplace must conform with local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1*.

The **H Series Vent Free Gas Fireplace** is shipped from the factory for use with natural gas *ONLY*. Conversion to another fuel is *NOT* permitted.

This product must be installed by a licensed plumber or gasfitter when installed within the Commonwealth of Massachusetts.

INSTALL THE GAS SUPPLY

For the HVF-42-3S, HVF-60-3S and HVF-72-3S models a 2" x 4" opening in the lower left rear is provided for the gas supply.

The gas supply piping should have a separate gas shutoff valve and a capped, $\frac{1}{8}$ " pipe tapping upstream of the valve for the purpose of reading pressure. A service shutoff valve must be placed within six feet of the fireplace gas control valve.

The gas supply line must terminate with a $\frac{1}{2}$ " male flare fitting.

The fireplace must be isolated from the gas supply system by closing the service valve during any pressure testing of the gas supply system at test pressures equal to or less than $\frac{1}{2}$ psi (3.5 kPa). Verify the gas pressure using the upstream $\frac{1}{8}$ " pipe tap.

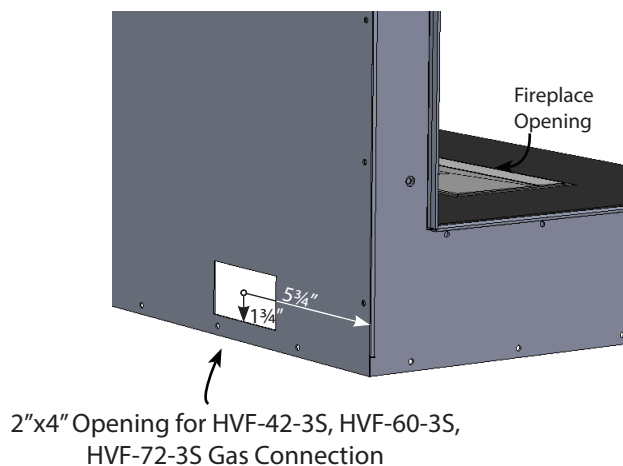


Figure 10. Gas Supply Opening On Rear (see text)

TRIM and FINISH

HVF-42-3S, HVF-60-3S and HVF-72-3S WALL FACING

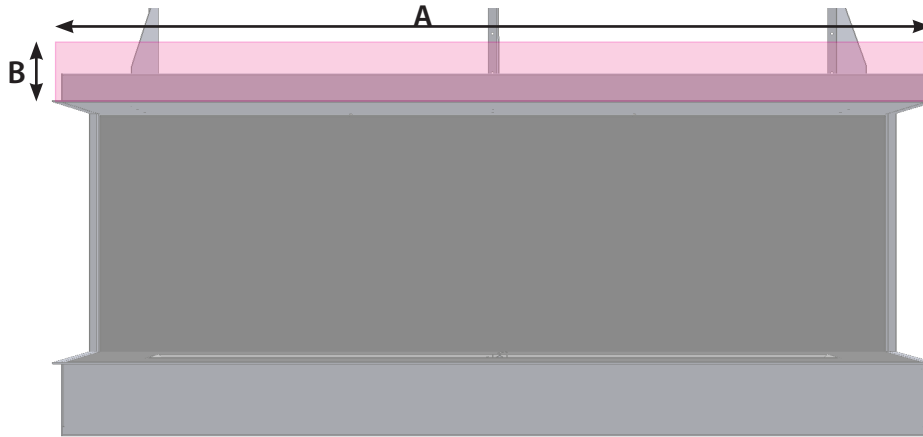


Figure 11. NON-Combustible Facing Dimensions

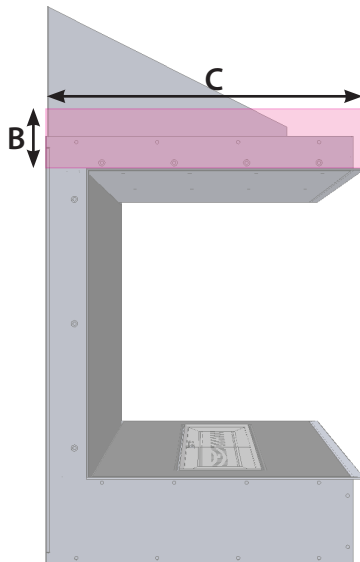


Figure 12. NON-Combustible Facing Dimensions (Left Side)

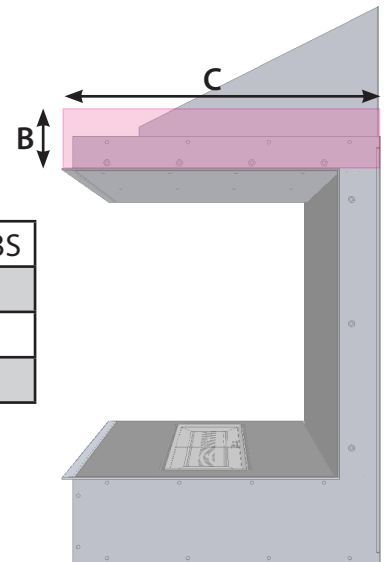


Figure 13. NON-Combustible Facing Dimensions (Right Side)

Dimension	HVF-42-3S	HVF-60-3S	HVF-72-3S
A	47"	60"	72"
B	4"	4"	4"
C	18"	18"	18"

Table 5. NON-Combustible Facing Dimensions

All of the following limits MUST be maintained for installations of the HVF-42-3S, HVF-60-3S and HVF-72-3S:

- The bottom of the cabinet may be no closer to the room ceiling than 36".
- The minimum interior height of an enclosing chase is 34½".
- Figures 11-13 show the combustible facing limit for the **H Series** Vent Free Gas Fireplaces listed in Table 5, above. Combustible wall facing is NOT permitted inside this limit. Dimension "A" is measured up from the top of the fireplace opening and the "B" and "C" dimensions are centered on the cabinet.

TRIM and FINISH

FINISHING THE ENCLOSURE

The **H Series Vent Free Gas Fireplaces** are designed to be enclosed with common building materials; wood, drywall, plaster, etc.

- Any combustible mantels must be installed within the limits shown on page 13.
- Provided the required clearances are maintained, the walls that enclose the side and rear of the fireplace may be constructed of combustible material. The facing within the limits shown on page 19, however, must be made of non-combustible material.
- These fireplaces were designed to be faced with approved ½" thick, non-combustible facing. This non-combustible facing can be installed up to the facing flange which surrounds the fireplace opening.
- The wall above the fireplace opening is constantly exposed to elevated temperatures. This must be considered when choosing any fasteners, paint, mastic, sealant, caulk, etc. for use in this area as materials may change color or emit an odor when heated. Petroleum-based tile adhesives should be avoided and thin-set mortar used instead.

INSTALLING THE FIRE MEDIA

Your **H Series Vent Free Gas Fireplace** comes with two types of fire media; crushed glass or crushed stone (burner media) and Embaglow. First install the burner media then the Embaglow.

The Fire Media

The contents of the bag of fire media (crushed glass or crushed stone) should be spread to an even depth across the entire burner top. *Be certain that glass does not come within ¼" of the pilot burner.*

Embaglow

Note: Embaglow contains loose metal fibers which may be sharp. You are advised to wear gloves while installing it.

1. Remove the bunch of Embaglow from the package and tease out the fibers until they form a very loose, very light network. Try to ensure that clumps of fibers are not formed. A loose network will allow gas to pass through the fibers and ensure the maximum effect.
2. Once the fibers are prepared, place them where a glow is required. By raising the height of the fibers above the level of the burner you'll create a shimmering glow. *Ensure that the metal fibers are kept away from the pilot light area as they can prevent ignition of the pilot light.*

Although the fibers have a long life, they will eventually deteriorate. If this becomes apparent, replacement Embaglow can be purchased from your local fireplace retailer or European Home.

OPERATING the FIREPLACE

The fire media must be installed per these instructions. This heater must use only the fire media provided by European Home. An excess amount of fire media may adversely affect the performance of the heater.

WARNING: All previously applied loose material must be removed prior to reapplication.

BEFORE THE FIRST FIRE

1. Make sure all construction materials have been removed from inside and around the fireplace.
2. Confirm that the electrical wiring is properly connected.
3. Check the gas supply for leaks.
4. Confirm the proper placement of the burner media.

THE FIRST FIRE

The first time you light your **H Series Vent Free Gas Fireplace** an odor may be given off by the unit. This is normal and is a result of the 'burn off' of the lubricants and sealants used when manufacturing the fireplace. We recommend that you open the nearby windows for extra ventilation and operate the fireplace for at least four hours.

During this first fire, examine the flame for appearance and quality. Examine the burner media for sooting. The flames should look like those in *Figure 15*.

Since it is a metal fireplace, the heat-up and cool-down cycles may produce some noises caused by the expansion and contraction of these metals. The premium materials and build quality of your **H Series Vent Free Gas Fireplace** will keep these sounds to a minimum.

OPERATING the FIREPLACE

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This heater is equipped with an ignition device which automatically lights the pilot. Do NOT try to light the pilot by hand.

B. BEFORE LIGHTING, smell all around the heater area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

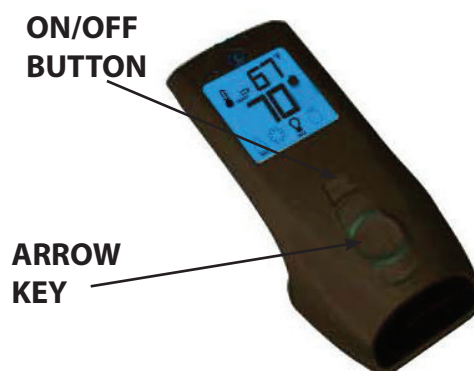
WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Do not use this heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.

LIGHTING THE FIRE

1. STOP! Read the safety information above.
2. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
3. Wait five (5) minutes to clear out any gas. Then smell for gas including near the floor. If you smell gas, STOP! Follow "B" in the Safety Information above. If you don't smell gas, go to the next step.
4. With the fireplace off, press the **ON/OFF** button. A single beep from the fireplace will confirm the button press. If the pilot or burner does not light, go back to Step 3, above.
5. Use the **ARROW KEY** to adjust the flame height up and down.



TO TURN OFF THE HEATER

1. With the fireplace on, press the **ON/OFF** button. A single beep from the fireplace will confirm the button press and the fireplace will turn off.

MAINTENANCE

A qualified service agency should conduct an annual inspection and maintenance of your **H Series** Vent Free Gas Fireplace to keep it running safely. The following procedures should be performed only by a qualified service person. The gas supply should be turned off whenever a maintenance procedure is performed. All parts of the fireplace that are removed for servicing must be replaced prior to operation.

Cleaning the Media and Burner.

With all parts of the fireplace at room temperature, carefully remove and clean the fire media with a soft bristled brush.

Lift off the hearth panel and clean the burner surface with a brush and clean the rest of the burner module, including the pilot burner, with a vacuum cleaner. After lifting off the Hearth Panel, ensure that the Primary Air Openings (shown in *Figure 14*, at the end of each Burner Inlet Tube) remains free of dust or debris. These openings may be cleaned with a vacuum cleaner or brush.

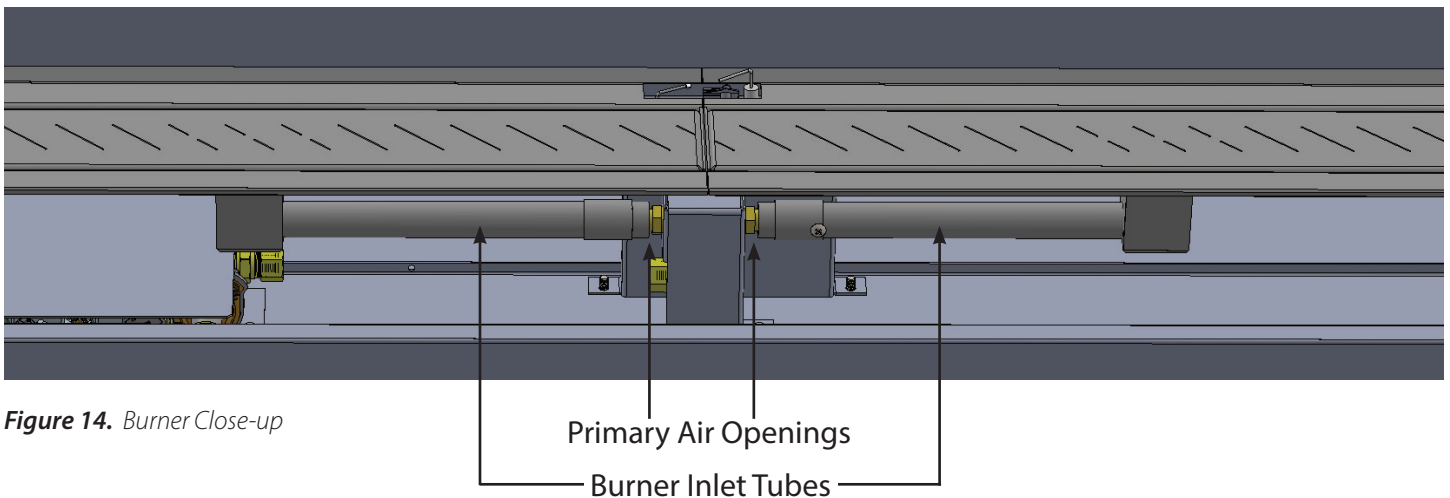


Figure 14. Burner Close-up

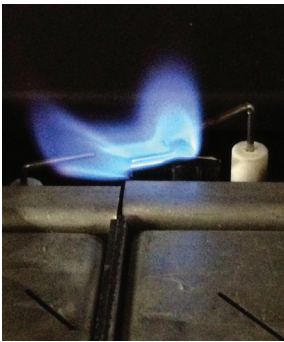
WARNING

Failure to keep the primary air opening of the burner clean may result in sooting and property damage.

MAINTENANCE



Figure 15. *Normal Flame Pattern*



Make a periodic visual inspection of the pilot and main burner flames. The main burner flames should look similar to those in Figure 15. The pilot burner flame should look like that in Figure 16.

Figure 16. *Normal Pilot Flame Pattern*

H Series Vent Free Parts List

ITEM	PART NO.
SIT Proflame NG Gas Valve	HVF-GS-GV-01
SIT Proflame Control Module	HVF-GS-CM-01
SIT Proflame Remote Control	HVF-GS-TX-01
H Series NG Pilot Assembly	HVF-GS-PA-01
Carrara Pebbles Fire Media	E4-STC4
½" Black Glass Fire Media	FM-CG-BLK
Fire Pebbles Fire Media	FM-PG-DB
Embaglow Fire Media	EMBAGLOW-1G
Black Embers Fire Media	EMBERS

For replacement parts and customer service, contact:

EUROPEAN HOME

+1 (781) 324-8383

WARRANTY

European Home Warranty H Series Vent Free Gas Fireplace

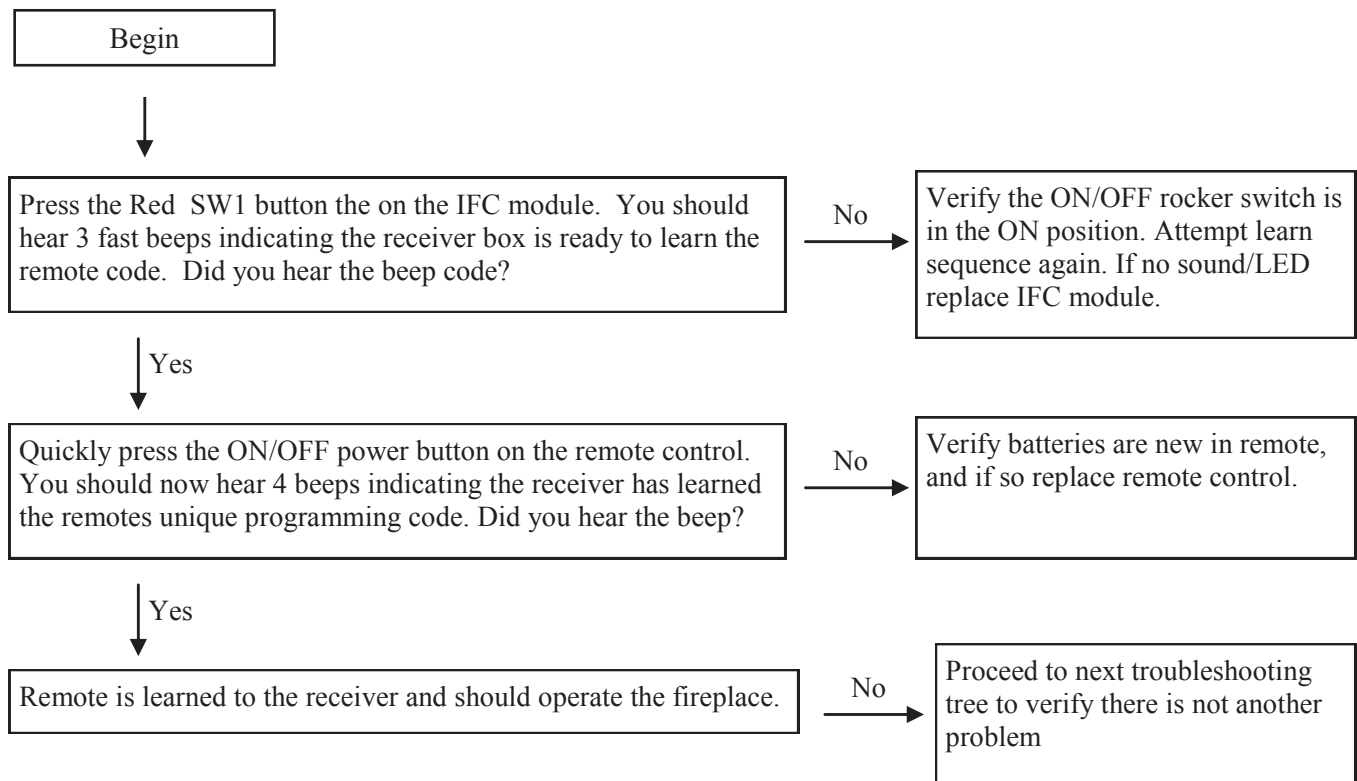
European Home warrants the H Series Vent Free Gas Fireplace burners against defects in materials and workmanship for a period of ONE (1) YEAR from the date of original retail purchase. We warrant the H Series Vent Free cabinet against defects in materials and workmanship for a period of FIVE (5) YEARS from the date of original retail purchase. If a defect exists, European Home will, at its option, either (1) repair the product at no charge, using new or refurbished replacement parts or (2) exchange the product with one which is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. A replacement product/part assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes the property of European Home.

Nothing in the above shall be deemed to imply that this warranty shall apply to work which has been abused or neglected or shows evidence of changes or modifications by others with or without permit, damages caused by the acts of God, building settlement or moving, fire or vandalism. In addition, installation of this product that varies from the requirements stated in the instruction manual will void the warranty.

European Home is a division of Europa Ja, Inc.

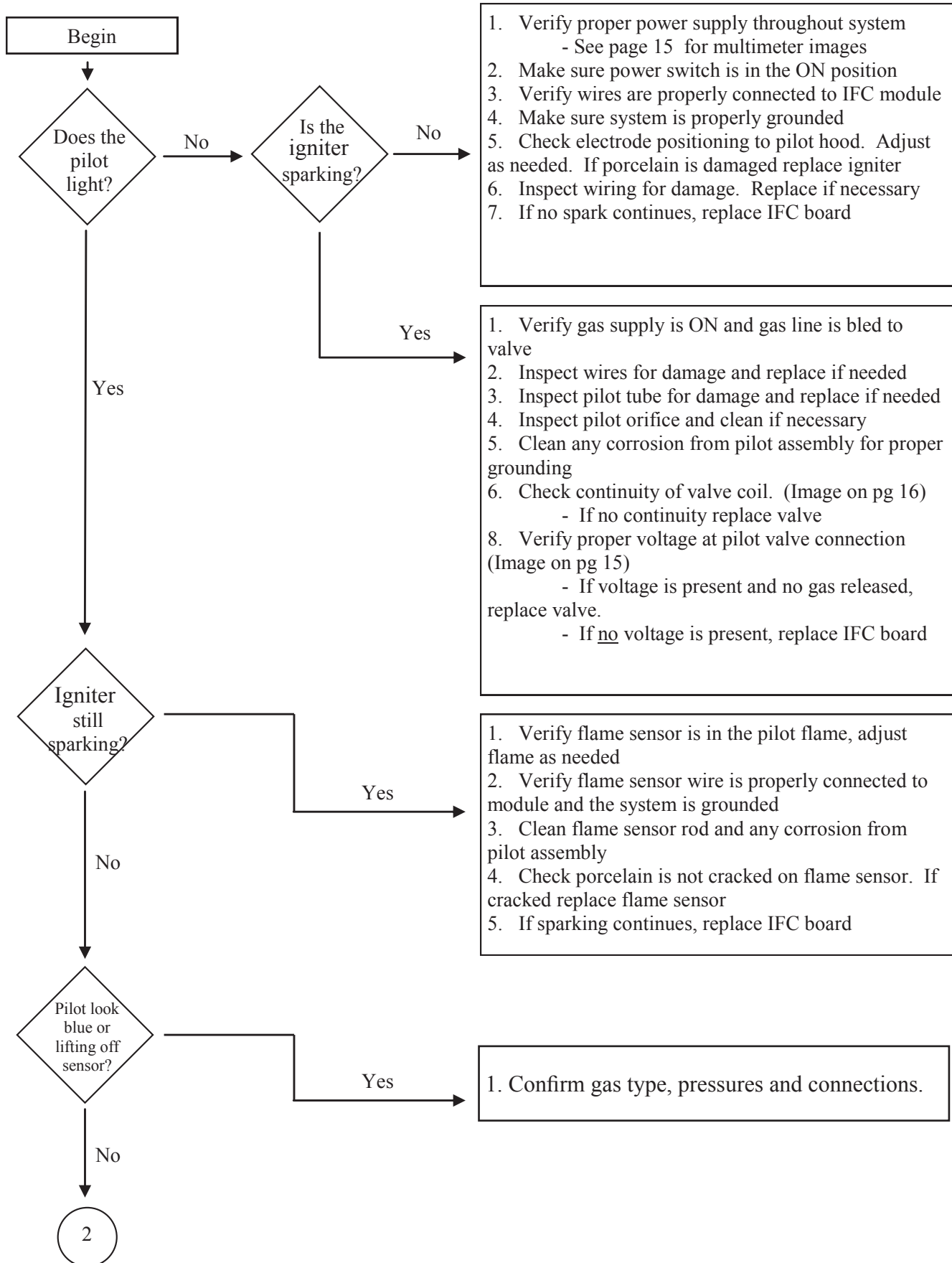
APPENDIX ONE

Remote/Receiver Not Synchronized



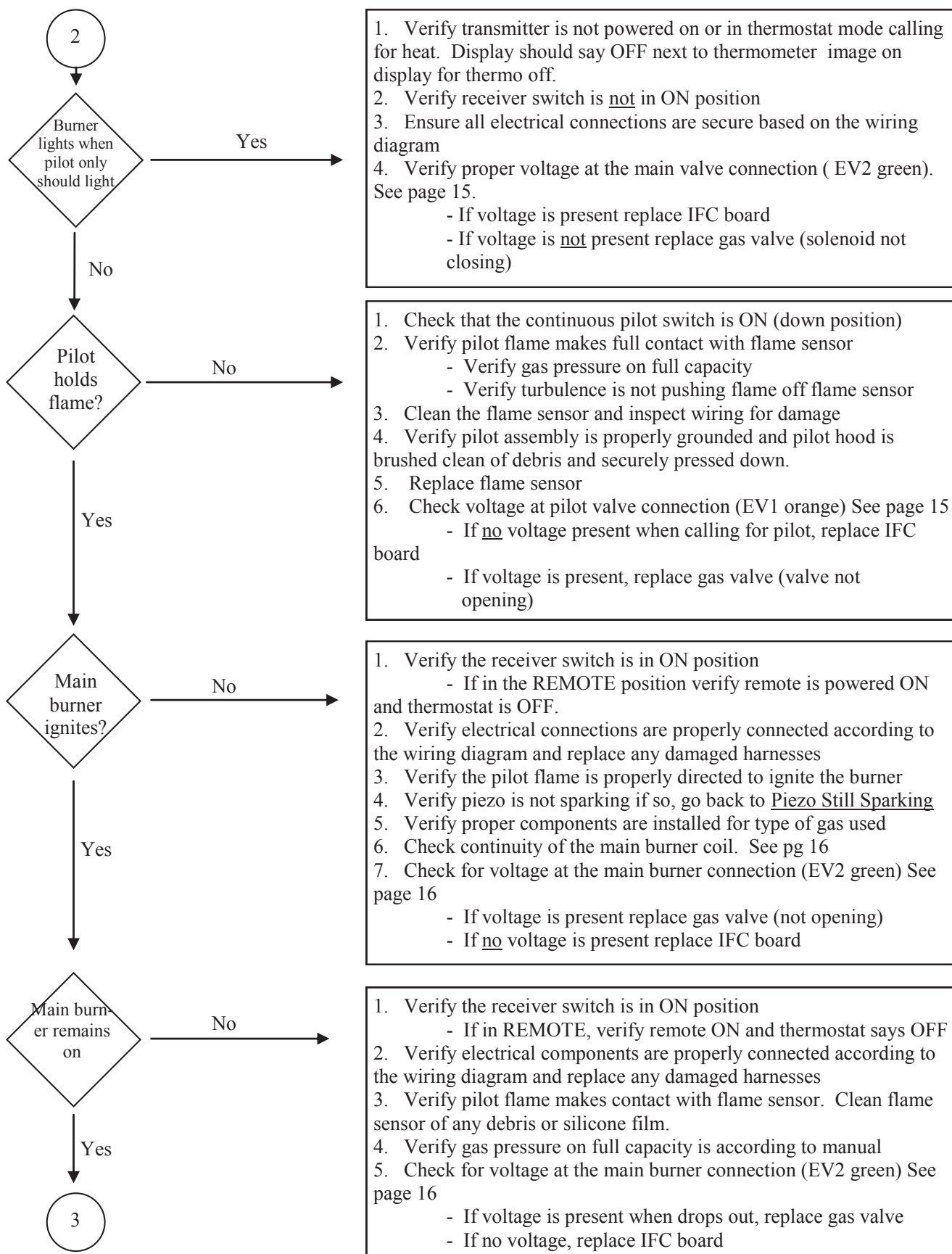
APPENDIX ONE

Troubleshooting



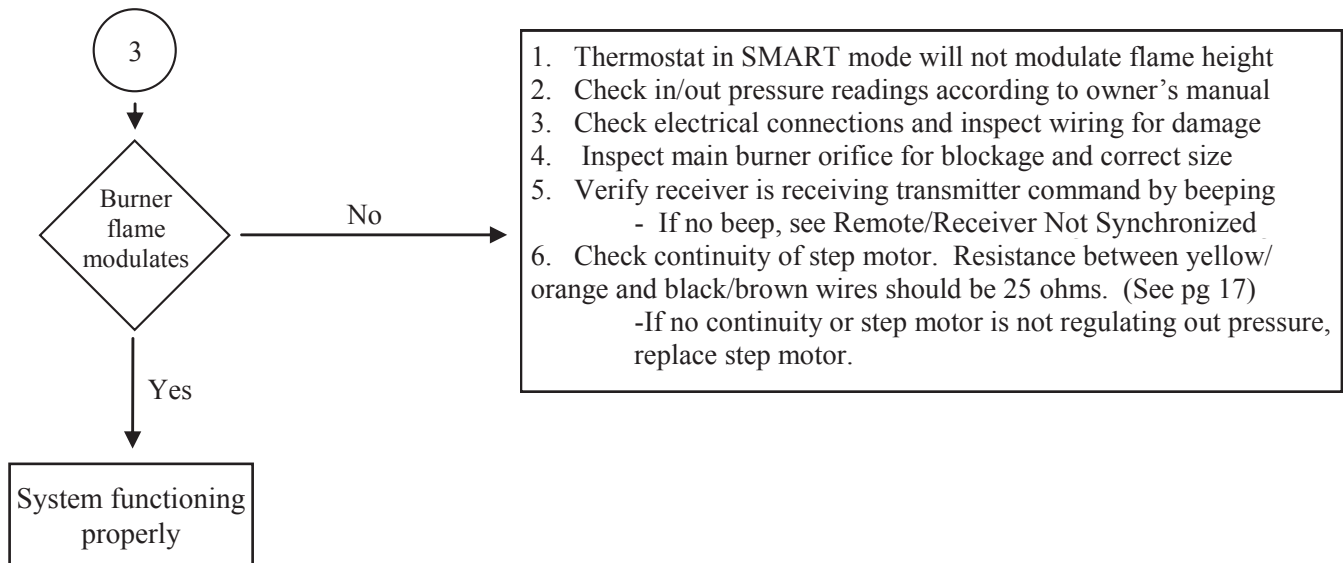
APPENDIX ONE

Troubleshooting

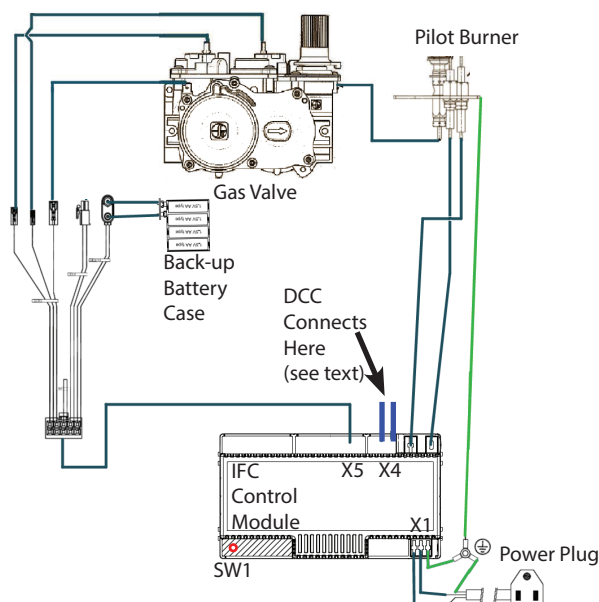


APPENDIX ONE

Troubleshooting



APPENDIX TWO



WIRING to a HOME AUTOMATION SWITCH (OPTIONAL)

External control of your H Series fireplace is an either/or proposition; you control it with either a home automation switch (not included) or the remote control (included). The home automation system cannot adjust the flame height; it can only turn on (with a high flame) or off.

When using a home automation system:

1. The jumper across X4 is removed and replaced with a DRY CONTACT CLOSURE (DCC, millivolt-rated, MUST make clean break) using a Phoenix Contact GMSTB 2,5/ 2-ST-7,62 plug (not included.)
2. The remote control must then be disconnected from the system by pressing the SW1 button (see figure above) TWICE in succession.

From then on, when the DCC is closed the fire goes on to high flame and when the DCC is opened the fire goes off. The flame height cannot be adjusted with the home automation system.

NOTES



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